



Hanford Site

Groundwater/Vadose Zone Integration Project

Expert Panel Outbrief Presentation

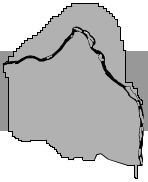
May 15, 1999

Dr. Edgar Berkey, Panel Chairman



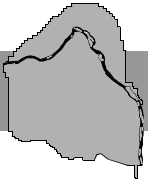
THIS WAS THE FOURTH PANEL MEETING

- An opportunity to evaluate recent Project activities:
 - from promises to progress
 - from activities to accomplishments
 - from intentions to implementation
- An opportunity to improve communication with you
 - and vice versa
- An opportunity to set the stage for future interactions
 - to enhance prospects of Project success



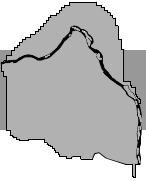
OUR TAKE HOME MESSAGE FROM THE MEETING

- ① The potential benefits of integration at Hanford are more apparent to us now than ever.
- ② We see many positive signs of people working in an integrated fashion at the implementation level. . .even though all the requirements for success are not fully in place.
- ③ We recognize that integration is difficult and that many barriers remain. . .but great rewards require perseverance. . .your best work is still ahead.



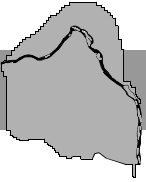
DURING THE MEETING WE FOCUSED ON. . .

- Status of the Project
- Systems Engineering Efforts
- System Assessment Capability (SAC)
- Core Projects
- We tried to assess progress and momentum



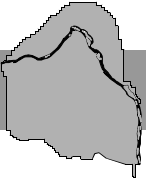
THIS MEETING WAS VERY VALUABLE

- It helped define our relationship to the Project
 - at many levels
- It resulted in a new mode of operating
 - with mutual responsibility and respect
- It reaffirmed our involvement with stakeholders, Tribal Nations, and regulators. . .to receive input
 - they are hopeful that real integration is on the horizon
- It clarified the role of the Panel
 - Independent review of Project merit
 - Focus on progress, plans, and scope



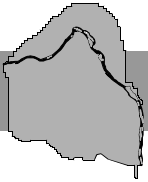
INTEGRATION AT HANFORD

- We see tremendous value in integration
 - Consistent with the nature of the physical, chemical, biological, and human issues that exist
 - The boundaries placed on existing human organizations are not yet consistent with integration
- But the case for integration must still be made to others -- especially to top management
 - You must go there



INTEGRATION AT HANFORD (Continued)

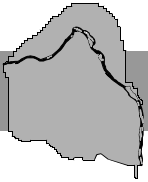
- What would successful integration look like?
 - How would it impact field work, modeling, etc.?
 - What differences would it make?
 - How would you know you were there?
 - What would the benefits be to concerned parties?



MAJOR REQUIREMENTS FOR PROJECT SUCCESS . . .OUR VIEW

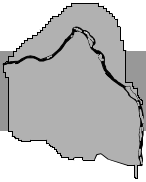
- Support of Hanford Site Manager
- Strong programmatic and intellectual leadership, support, and performance at multiple levels
- Ability to convey clear objectives and progress to diverse audiences
- Existence of clear benefits to Project participants
- Perseverance. . .perseverance. . .perseverance

Hanford Groundwater/Vadose Zone Integration Project



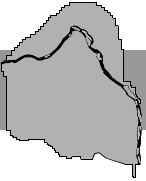
SYSTEM ASSESSMENT CAPABILITY (SAC)

- We see important movement in the right direction
 - More resources being applied
 - More intellectual “energy” evident
- Result is a more coherent picture
 - Presentations with far more confidence
- But stated objectives for this “subproject” need to be clarified
 - For clean-up decisions?
 - For closure decisions?



CORE PROJECTS

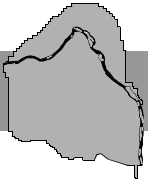
- Geophysical Logging Activities
 - Good. Mother lode for data mining.
 - But data mining is not data compilation. . .we mean data analysis and interpretation on an integrated basis.
- FY99 Tank Farm Borehole Program
 - Process for selecting location was well supported
 - On with it!



SYSTEMS ENGINEERING

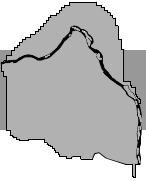
- We support the initiative. . .
 - to organize your approach
 - to identify interfaces and gaps
 - to encourage alternative solutions
 - to make decisions transparent
- It was too early to show us your work.
 - Keep trucking!
 - Document its value
- Please come back again during a future meeting

Hanford Groundwater/Vadose Zone Integration Project



AT THE NEXT MEETING, WE WILL EXPECT. . .

- More emphasis on actual progress made
- More evidence on where integration is helping. . .and where it is not
- Thoughtful summaries for selected topics of
 - what is being done?
 - why it is being done?
 - what beneficial outcomes are evident or expected?
 - progress to date



CLOSING THOUGHTS

- We suggest you address three key issues:
 - ① Developing a clear message on the benefits of integration at Hanford.
 - ② Satisfying the “requirements for success.”
 - ③ Encouraging Project personnel to focus on implementation and outcomes.